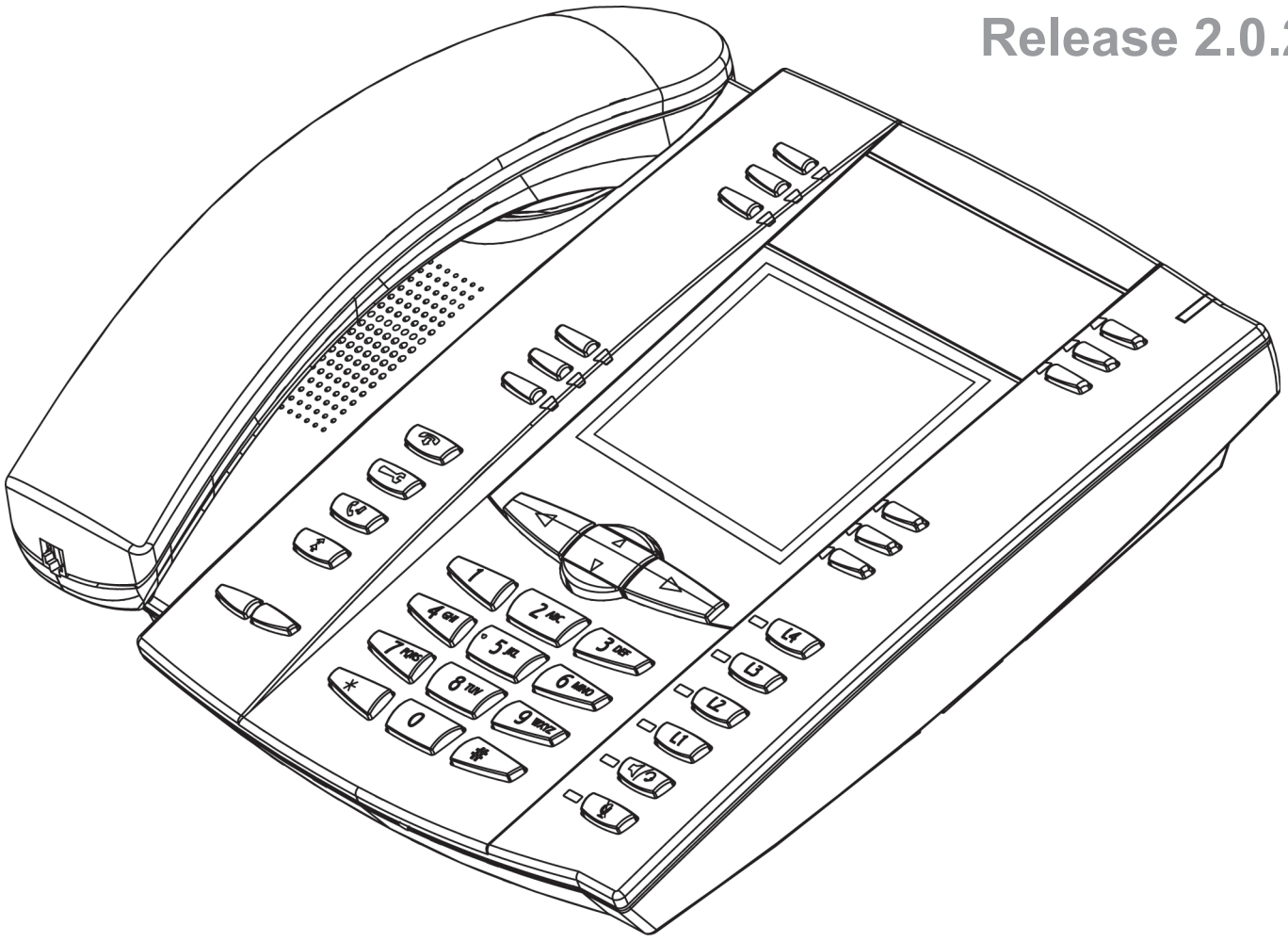
MODEL
53i, 55i, 57i, 57i CT

SIP IP PHONE

RN-001029-00
Rev 02

Release Notes
Release 2.0.2



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SIP IP Phone Models 53i, 55i, 57i, and 57i CT Release Note 2.0.2

About this Document

This document provides information specific to the SIP IP Phone release 2.0.2. It includes information about Aastra's 5i Series IP Phones (53i, 55i, 57i, 57i CT).

For more detailed information about the features associated with each phone, and for information on how to use the phones, see your phone-specific *SIP IP Phone Installation Guide* and the *SIP IP Phone User Guide*. For detailed information about more advanced features, see the *SIP IP Phone Administrator Guide*.

Topics in this release note include:

- General Information
  (release content, hardware supported, bootloader requirements)
- IP Phone Models
- Optional Equipment (for 55i, 57i, and 57i CT only)
- Enhancements/Changes in 2.0.2, Build 1040
- New Parameters Added in 2.0.2
- Issues Resolved in Release 2.0.2
- Contacting Aastra Telecom Support

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General Information

Release Content Information

This document provides release content information on the Aastra 53i, 55i, 57i, and 57i CT SIP IP phone firmware.

Model	Release Name	Release Version	Release Filename	Release Date
53i	Generic SIP	2.0.2	FC-001086-00-03	May 2007
55i	Generic SIP	2.0.2	FC-001087-00-03	May 2007
57i	Generic SIP	2.0.2	FC-001088-00-03	May 2007
57i CT	Generic SIP	2.0.2	FC-001089-00-03	May 2007

Hardware Supported

This release of firmware is compatible with the following Aastra IP portfolio products:

- 53i
- 55i
- 57i
- 57i CT

Bootloader Requirements

This release of firmware is compatible with the following Aastra IP portfolio product bootloader versions:

- 53i - Bootloader 2.0.1.1055 or higher
- 55i - Bootloader 2.0.1.1055 or higher
- 57i - Bootloader 2.0.1.1055 or higher
- 57i CT - Bootloader 2.0.1.1055 or higher

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IP Phone Models

The IP Phone Models 53i, 55i, 57i, and 57i CT are multi-line open-standards desktop phones that communicate over an IP network allowing you to receive and place calls in the same manner as a regular business telephone.

The Aastra 53i is designed for use by the occasional users to the power users. The Aastra 55i is designed for the power users and executives who require a graphical display for advanced XML applications. The Aastra 57i is designed for the power users and executives who require a *large* graphical display for advanced XML applications. The Aastra 57i CT is designed for the power users, executives, and warehouse, support, and retail staff who require mobility within a single site facility. It includes an integrated WDCT cordless mobility handset for coverage of up to 300,000 square feet.

Built on Aastra's global form factor, the 5i Series IP phones maintain the same quality and features that you are accustomed to with our existing IP phone family - ***benefits without the compromise***.

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Model 53i IP Phone

Model 53i SIP IP phone offers the following features:

- 3-line LCD screen
- 6 top keys: programmable hard keys (up to 4 programmable functions)
- 3 call appearance lines with LEDs
- Supports up to 9 call lines
- Full-duplex speakerphone for handsfree calls
- Headset support (modular connector)
- Built-in two-port, 10/100 Ethernet switch - lets you share a connection with your computer
- Inline power support (based on 802.3af standard) which eliminates power adapters.
- AC power adapter (included)
- Enhanced busy lamp fields*
- Set paging*

*Availability of feature dependant on your phone system or service provider.

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Model 55i IP Phone

Model 55i SIP IP phone offers the following features:.

- 8 line graphical LCD screen (144 x 75 pixels) with white backlight
- 12 programmable keys
  - — 6 Top keys: programmable hard keys (up to 6 programmable functions)
  - — 6 Bottom keys: programmable state-based softkeys (up to 20 programmable functions)
- 4 call appearance lines with LEDs
- Supports up to 9 call lines
- Full-duplex speakerphone for handsfree calls
- Headset support (modular connector)
- Built-in-two-port, 10/100 Ethernet switch - lets you share a connection with your computer.
- Inline power support (based on 802.3af standard) which eliminates power adapters.
- AC power adapter (included)
- Enhanced busy lamp fields*
- Set paging*

*Availability of feature dependant on your phone system or service provider.

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Model 57i IP Phone

Model 57i SIP IP phone offers the following features:

- 11 line graphical LCD screen (144 x 128 pixels) with white backlight
- 12 multi-functional softkeys
  - — 6 Top Keys: programmable static softkeys (up to 10 programmable functions)
  - — 6 Bottom Keys: programmable state-based softkeys (up to 20 programmable functions)
- 4 call appearance lines with LEDs
- Supports up to 9 call lines
- Full-duplex speakerphone for handsfree calls
- Headset support (modular connector)
- Built-in-two-port, 10/100 Ethernet switch - lets you share a connection with your computer.
- Inline power support (based on 802.3af standard) which eliminates power adapters.
- AC power adapter (included)
- Enhanced busy lamp fields*
- Set paging*

*Availability of feature dependant on your phone system or service provider.

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Model 57i CT IP Phone

Model 57i CT SIP IP phone offers the following features:

Base Unit

- 11 line graphical LCD screen (144 x 128 pixels) with white backlight
- 12 multi-functional softkeys
  - — 6 Top Keys: programmable static softkeys (up to 10 programmable functions)
  - — 6 Bottom Keys: programmable state-based softkeys (up to 20 programmable functions)
- 4 call appearance lines with LEDs
- Supports up to 9 call lines
- Full-duplex speakerphone for handsfree calls
- Headset support (modular connector)
- Built-in-two-port, 10/100 Ethernet switch - lets you share a connection with your computer.
- Inline power support (based on 802.3af standard) which eliminates power adapters.
- AC power adapter (included)
- Enhanced busy lamp fields*
- Set paging*
- Cordless Handset and Charging Base

Cordless Handset Features

- 5 line backlit display screen
- 2 multi-functional softkeys
- Programmable function key supports up to 14 functions
- Vibration Alerter
- Headset Jack
- Desk charging stand

*Availability of feature dependant on your phone system or service provider.

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Optional Equipment (for 55i, 57i, and 57i CT only)

Description

In addition to the release of the new IP phones, Aastra offers optional expansion modules you can attach to the 55i, 57i, or 57i CT IP phones to provide even more softkey capability. Aastra offers the following two expansion modules for your phone:

- 536M - Provides an additional 36 softkeys (for 55i, 57i, and 57i CT)
- 560M - Provides an additional 60 softkeys (for 57i and 57i CT only)

Up to 3 expansion modules can be piggy backed to a phone providing up to an additional 108 softkey capability on the 536M, and up to an additional 180 softkey capability on the 560M.

The Aastra 536M and Aastra 560M expansion modules cater to the telephone attendant application. It is designed for the receptionists, administrative assistants, call center agents, power users, and executives who need to monitor and manage large volume of calls on a regular basis. Built on our global form factor, the Aastra 536M and Aastra 560M supports the Aastra 5i Series of IP phones.

Functionally, both the Aastra 536M and Aastra 560M expansion modules support the same softkey feature set including speeddial, call appearance line, shared call and bridged line appearances, and Busy Lamp Field (BLF).

Building on the phones ease of use and deployment, the Aastra 536M and Aastra 560M expansion modules can be put into service quickly. The phone requires no new cabling, as both power and signaling are provided directly from the IP phone. You can configure the module keys centrally via the configuration file or manually via the Aastra Web UI.

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Model 536M Expansion Module

(for 55i, 57i, and 57i CT)

The 536M module adds 36 additional softkeys to the IP phone models 55i, 57i, and 57i CT. The 536M provides paper labels for each softkey. Up to 3 modules can be piggy-backed to provide up to 108 additional softkeys for the phone.

Module 560M Expansion Module

(for 57i and 57i CT only)

The 560M module adds 60 additional softekeys to the IP phone models 57i and 57i CT (using the 3 function keys on the bottom right of the unit). The 560M module provides an LCD display for displaying softkey labels. Up to 3 modules can be piggy-backed to provide up to 180 additional softkeys for the phone.

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Enhancements/Changes in 2.0.2, Build 1040

This section describes the enhancements and changes made for release 2.0.2.

Note: Unless specifically indicated, these enhancements apply to all phone models.

Issue Number	Description of Feature/Enhancement
CLN05071	Added support for virtual web servers, by adding the “Host” header to all XML GET requests from the phone.
CLN05088	Redial list now remembers pause key presses.
CLN05089	Redial list is now accessible during active calls.
DEF04183	Sidetone is now only enabled during calls.
DEF04481	VLAN: Added an additional VLAN mode which enables the phone to be on a VLAN. All untagged packets are sent to the passthrough port. To enable this mode, you enable tagging on the phone port as normal, but set the passthrough VLAN ID to 4095,. For example, the following configures the phone to be on VLAN 3 but the passthrough port is configured as untagged. **`tagging enabled: 1`** **`VLAN id: 3`** **`VLAN id port 1: 4095`**
DEF06238	VLAN: The SIP and RTP DSCP default values are now set according to RFC4504. **Parameter** / **Old Default** / **New Default** **tos sip** / 24 / 26 **tos rtp** / 32 / 46

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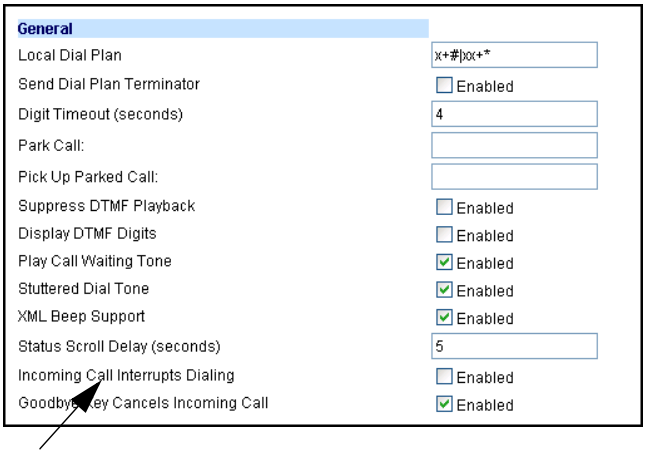
Issue Number	Description of Feature/Enhancement
ENH05218	**Incoming Call Interrupts Dialing Feature** A User and Administrator can now configure whether or not an incoming call interrupts an outgoing call that is dialing. A new parameter has been added ("**incoming call interrupts dialing**") to control this feature. When you enable this parameter (1 = enable), an incoming call interrupts the outgoing call during dialing and allows the phone to ring for the user to answer the incoming call. This was the existing default behaviour in previous releases, and is also the behaviour of this parameter in 2.0.2 if it is enabled. **IMPORTANT NOTE**: If you disable this parameter, the behaviour of the phone has changed in 2.0.2. In 2.0.2, this feature performs as follows if disabled: When you disable the "**incoming call interrupts dialing**" parameter (0 = disable), which is the default, the phone does not interrupt the outgoing call during dialing and instead rings the incoming call on another free line (or sends busy signal if all remaining lines are busy). You have a choice to ignore the incoming call, or answer the incoming call on another line, via the **Ignore** and **Answer** softkeys that display. If you choose to answer the incoming call, you can answer the call, finish the call, and then hang up. You can still go back to the original outgoing call and finish dialing out. **Notes**: **1.** On a 53i, you must use the down arrow key to ignore the call. To answer the call you must press the line key where the call is coming in. **2.** For all models, if you disable this parameter (0=disable), and the phone receives an incoming call while you are dialing an outgoing call, you can pick up the call and perform transfer or conference as required. An Administrator can set this parameter using the configuration files (**incoming call interrupts dialing**) or the Aastra Web UI (**Incoming Call Interrupts Dialing)** at *Basic Settings->Preferences->General*). A User can set this parameter using only the Aastra Web UI.  **Incoming Call Interrupts Dialing** (in Web UI) (Default is disabled.)

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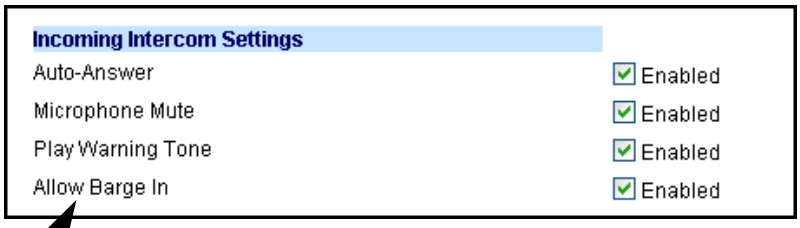
Issue Number	Description of Feature/Enhancement
DEF04929	Pressing a speeddial key while on an active call no longer places that call on hold. When there is an active call, the speeddial key now sends DTMF digits through the active voice path. For example, if you are on an active call, and a speeddial key is configured on a different line to access your voicemail, you must put the active call on hold and then press the speeddial key to access your voicemail on the other line.
DEF05224	The "Action URI Registered" is now executed on the first successful registration of each unique line configured on the phone.
DEF05722	Increased the length of the stuttered dial tone used to indicate message waiting.
DEF05964	Usernames containing dots (".") are now supported.
ENH05637	The IP phones no longer support the alpha character in the password. Non-numeric passwords are ignored in release 2.0.2 and all subsequent releases. The default password is used instead.
ENH06153	**Allow Barge In Feature** A User and Administrator can now configure a "barge-in" feature on the phone. A new parameter has been added ("**sip intercom allow barge in**") which controls how the phone handles an incoming intercom call when an active call is in progress. When you enable this parameter (1 = enable), which is the default value, an incoming intercom call takes precedence over any active call, by placing the active call on hold and automatically answering the intercom call. When you disable this parameter (0 = disable), and there is an active call, the phone treats an incoming intercom call like a normal call and plays the call warning tone. An Administrator can set this parameter using the configuration files (**sip intercom allow barge in**) or the Aastra Web UI (**Allow Barge In** at *Basic Settings->Preferences->Incoming Intercom Settings*). A User can set this parameter using only the Aastra Web UI.  **Allow Barge In** (in Web UI) (Default is enabled.)
ENH06301	REFER-TO header now uses uppercase characters in escape codes.

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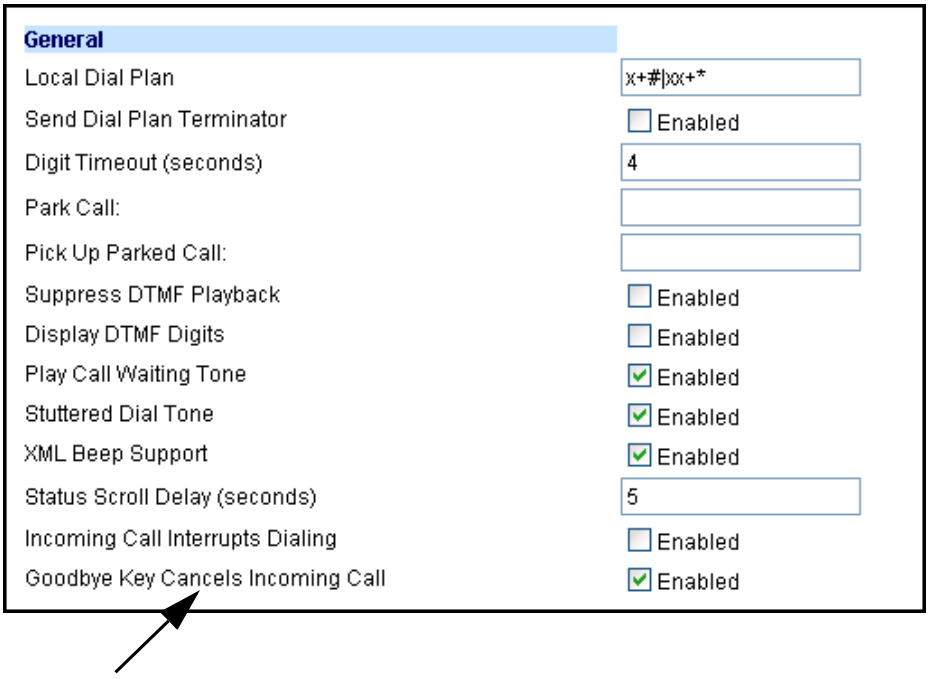
Issue Number	Description of Feature/Enhancement
ENH06372	**Goodbye Cancels Incoming Call Feature** A User and Administrator can now configure the **Goodbye** key to drop active calls or ignore incoming calls. A new parameter has been added ("**goodbye cancels incoming call**") which controls the behavior of the goodbye key when the phone is in an active call and a second call is presented to the phone. When you enable this parameter (1 = enable), which is the default, the **Goodbye** key rejects the incoming call. When you disable this parameter (0 = disable), the **Goodbye** key hangs up the existing call. If you disable this parameter, and the phone receives another call when an active call is already present, the 57i and 57i CT phones display softkey 1 as "answer" and softkey 2 as "ignore". The 53i displays "ignore". For the 53i, you must use the **DOWN** arrow key to ignore the call. An Administrator can set this parameter using the configuration files (**goodbye cancels incoming call**) or the Aastra Web UI (**Goodbye Key Cancels Incoming Call** at *Basic Setting->Preferences->General)*. A User can set this parameter using only the Aastra Web UI.  **Goodbye Key Cancels Incoming Call** (in Web UI) (Default is enabled.)

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Issue Number	Description of Feature/Enhancement
ENH06544	53i: This model phone now has extended SPRE support.

	Phone Lock Softkey Feature
	
	A user or administrator can now lock a phone using a configured softkey or programmable key. Locking the phone prevents it from being used or configured. Once the phone is locked, the user or administrator can enter their password to unlock the phone.
	
	You can configure a “Lock/Unlock” softkey using the configuration files or the Aastra Web UI. In the configuration files, you enter “**phonelock**” for the type of softkey or programmable key. For example:
	
	`softkey1 type: phonelock`
	or
	`prgkey1 type: phonelock`
	
	In the Aastra Web UI, you can go to the following paths for each phone model and select “**Phone Lock**” from the **Type** options.
	
	53i: *Operation->Programmable Keys*
	55i: *Operation->Programmable Keys, Operation->Sofkeys and XML*
	57i, 57i CT: *Operation->Softkeys and XML*
	
	Note: This feature is dynamic. When you configure this feature, it takes affect immediately and displays to the phone LCD.
	
	Once configured, you can press the LOCK softkey to lock the phone. The same softkey displays UNLOCK. After pressing UNLOCK, a password prompt appears. You must enter your user or administrator password to unlock the phone.

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Issue Number	Description of Feature/Enhancement

	Speeddial Prefix Feature
	
	A user or administrator can now enter a prefix number for a speeddial softkey or programmable key.
	
	The normal function of the speeddial option allows you to dial a number quickly by pressing the softkey or programmable key. This speeddial feature now allows you to dial a preset string of numbers followed by a "+" when pressing the softkey or programmable key. You can use this feature for numbers that contain long prefixes. For example, if you had the following speeddial configuration in the configuration files:
	
	`softkey2 type: speeddial`
	`softkey2 label: Europe Office`
	`softkey2 value: 1234567+`
	`softkey2 line: 2`
	
	then, after you press softkey2 on the phone, it dials the prefix number automatically and pauses for you to enter the remaining phone number using the keypad on the phone. You can configure the speeddial prefix using the configuration files or the Aastra Web UI. In the configuration files, you must enter the prefix number, followed by a "**+**" in the "**SoftkeyN Value**" field or "**PrgKeyN Value**" field. For example:
	
	`softkey2 value: 1234567+`
	`prgkey2 value: 123456+`
	`topsoftkey2 value: 123456+`
	`expmod2 key20 value: 456789+`
	
	In the Aastra Web UI at the path *Operation->Softkeys and XML* or *Operation->Programmable Keys*, you must select the following:
	
	Type = **speeddial**
	Label = <Enter a label for the Speeddial prefix key>
	Value = <Enter a prefix number followed by a "**+**">
	Line = <Select a line for the speeddial prefix key to use>
	
	When you configure a speeddial prefix key, pressing that key displays the prefix number on the phone and then pauses for you to enter the remaining phone number you want to dial.

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<table>
<tr><th>Issue Number</th><th>Description of Feature/Enhancement</th></tr>
<tr><td></td><td>

Simplified Options Menu Feature

A feature has been added to the IP phones that allows you to replace the existing options menu on the Phone UI with a more simplified options menu. In the configuration files, the “**options simple menu**” parameter allows you to display either the full menu (if set to 0), or the simplified menu (if set to 1). The following table illustrates the dfferences between the full menu and the simplified menu.

Note: When setting the “**options simple menu**” parameter, the menu changes in the Phone UI only. The Aastra Web UI is not affected.

<table>
<tr><th>Full Options Menu</th><th>Simplified Options Menu</th></tr>
<tr><td>Language</td><td>Removed</td></tr>
<tr><td>Tones</td><td>Tones</td></tr>
<tr><td>Clear Message Waiting</td><td>Removed</td></tr>
<tr><td>Display</td><td>Display</td></tr>
<tr><td>Live Dialpad</td><td>Removed</td></tr>
<tr><td>Set Audio</td><td>Audio-Mode</td></tr>
<tr><td>Call Forward</td><td>Removed (but can use the “call forward” configuration parameter to control)</td></tr>
<tr><td>Network</td><td>Removed</td></tr>
<tr><td>SIP Settings</td><td>Removed</td></tr>
<tr><td>Phone Status</td><td>Phone Status</td></tr>
<tr><td>User Password</td><td>Removed</td></tr>
<tr><td>Phone Lock</td><td>Phone Lock</td></tr>
<tr><td>Handset Pairing
(CT models only)</td><td>Handset Pairing
(CT models only)</td></tr>
</table>

WARNING: When using the simplified menu, you cannot change the Network settings from the IP Phone UI. If the network settings become misconfigured, you must “factory default” the phone and use the full menu to recover the network settings from the Phone UI **OR** use the Aastra Web UI to configure the network settings.

</td></tr>
</table>

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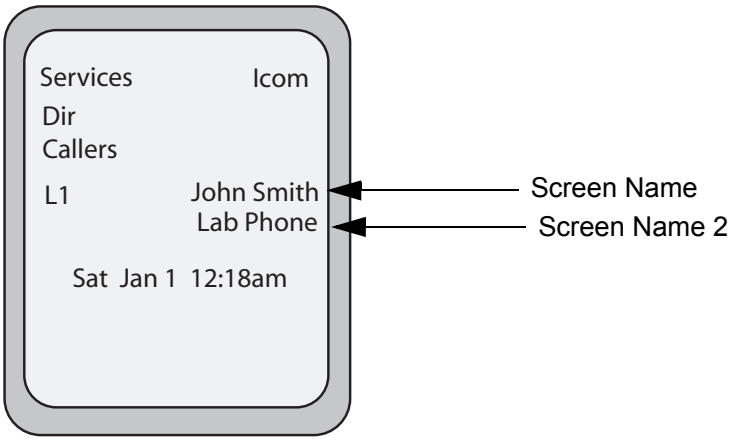
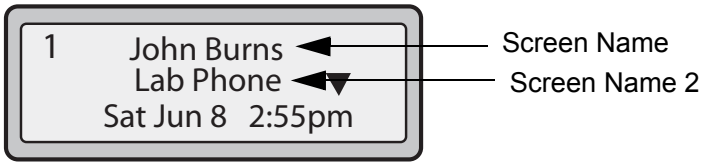
Issue Number	Description of Feature/Enhancement
	Customizable Status Line Feature A feature has been added to the IP phones that allows an administrator to enter a custom text message using the parameter "**sip screen name 2**" (for global configuration) and using the parameter "**sip lineN screen name 2**" (for per-line configuration) in the configuration files. In the Aastra Web UI, the new parameter is "**Screen Name 2**" for both the global and per-line configuration. The following illustrations show the location of this parameter on the display when configured on the phone. **Figure 1** **57i**  **Figure 2** **53i**  **Notes**: **1.** If other status messages display on the phone, such as "Network Disconnected", the Screen Name 2 value does not display. **2.** Characters are allowed (such as "**#**"). **3.** If the text is longer than the display width, than the display truncates the text to fit the display.

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Issue Number	Description of Feature/Enhancement
	Directed Call Pickup with BLF or BLF-List Feature A feature has been added to the IP phones that allows an Administrator to configure Directed Call Pickup with a BLF or BLF List softkey. An optional parameter has also been added called, "**directed call pickup prefix**" (in configuration files) or the "**Directed Call Pickup by Prefix**" (in Aastra Web UI). How this feature works when Directed Call Pickup is enabled with BLF or BLF/List: 1. **Phone A** monitors **Phone B** via BLF/List. 2. **Phone C** calls **Phone B**; **Phone B** rings. 3. If you press the BLF/List softkey on **Phone A**, it picks up the ringing line on **Phone B**. 4. **Phone C** connects to **Phone A**. How this feature works when Directed Call Pickup is disabled with BLF or BLF/List: 1. **Phone A** monitors **Phone B** via BLF/List. 2. **Phone C** calls **Phone B**; **Phone B** rings. 3. If you press the BLF/List softkey on **Phone A**, it performs a speeddial to **Phone B**. 4. **Phone C** and **Phone A** are ringing **Phone B** on separate lines (if available). The optional "**directed call pickup prefix**" allows you to enter a specific prefix string (depending on what is available on your server), that the phone automatically dials when dialing the Directed Call Pickup number. For example, for Broadsoft servers, you can enter a value of ***98** for the "**directed call pickup prefix**". When the phone performs the Directed Call Pickup after pressing a BLF or BLF/List softkey, the phone pre-pends the *98 value to the designated extension of the BLF or BLF/List softkey when dialing out. **Notes:** **1.** The default method for the phone to use is Directed Call Pickup over BLF if the server provides applicable information. If the Directed Call Pickup over BLF information is missing in the messages to the server, the Directed Call Pickup by Prefix method is used if a value for the prefix code exists in the configuration. **2.** You can define only one prefix at a time for the entire BLF/List. **3.** The phone that picks up displays the prefix code + the extension number (for example, *981234 where prefix key = *98, extension = 1234).

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Issue Number	Description of Feature/Enhancement
New XML Features	

CLN05048	**AastraIPPhoneTextMenu** object now supports the following:
	
	• Turning off automatic numbering of items
	• Use of bullets when listing items
	
	You turn off automatic numbering of items by adding the attribute “style=none” to the root tag of the AastraIPPhoneTextMenu object.
	
	For example:
	
	`<AastraIPPhoneTextMenu style=”none”>`
	`  <Title>Example</Title>`
	`  <MenuItem>`
	`  <Prompt>Item 1</Prompt>`
	`  <URI>10.50.10.49</URI>`
	`  </MenuItem>`
	`</AastraIPPhoneTextMenu>`
	
	You can use bullets when listing items by adding the attribute “**style=radio**” to the root tag of the AastraIPPhoneTextMenu object.
	
	For example:
	
	`<AastraIPPhoneTextMenu style=”radio”>`
	`  <Title>Example</Title>`
	`  <MenuItem>`
	`  <Prompt>Item 1</Prompt>`
	`  <URI>10.50.10.49</URI>`
	`  </MenuItem>`
	`</AastraIPPhoneTextMenu>`

	XML Get Timeout Feature The phone implements HTTP GETs as synchronous calls within linemgr. If the far side accepts the GET connection but never returns a response, it blocks the phone until it is rebooted. A timeout has been added to the phone that you can set via the configuration files to correct this. The timeout parameter is “**xml get timeout**”. Valid values are **0** (never time out) to **214748364** seconds. The default is **0**.

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Issue Number	Description of Feature/Enhancement

ENH06057	**Fast Reboot using XML Post Feature**
	
	A new XML feature has been added that allows an administrator to perform a fast reboot of the IP phone when required. You use the **AastraIPPhoneExecute** object to specify the command "**FastReboot**" to implement this feature.
	
	For example,
	
	`<AastraIPPhoneExecute>`
	`  <ExecuteItem URI="Command:FastReboot">`
	`</AastraIPPhoneExecute>`
	
	Using an XML post, this feature forces a phone to reboot in the idle state. It does not check for new firmware and only downloads language packs if there is a change in the supported filenames of the language packs. The phone DOES do a DHCP lookup on every "fast reboot". It also only downloads the Directory files if the names have changed.
	
	Note: Using the Aastra Web UI, you must set the XML push server list from where the XML http post is being sent.

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<table>
<tr><th>Issue Number</th><th>Description of Feature/Enhancement</th></tr>
<tr><td>ENH06058</td><td>

XML Softkey LED Control Feature

A feature has been added to the IP phones that allows an Administrator to control the behavior of XML softkey LEDs. You use the **AastraIPPhoneExecute** object to implement this feature.

Note: This LED feature is applicable to XML softkeys only (softkeys (top or bottom), programmable keys, and expansion module softkeys). The softkey must be configured for XML before you enable this feature.

The following table describes the behaviors you can assign to XML softkeys and the attribute you enter in the **AastraIPPhoneExecute** script.

<table>
<tr><th>LED Behavior</th><th>XML Attribute</th></tr>
<tr><td>on</td><td>URI = “Led: <softkey type>= on”/</td></tr>
<tr><td>off</td><td>URI = “Led: <softkey type>=off”/</td></tr>
<tr><td>fastFlash</td><td>URI = “Led: <softkey type>=fastflash”/</td></tr>
<tr><td>slowFlash</td><td>URI = “Led: <softkey type>=slowflash”/</td></tr>
</table>

The command for LED control is sent using the XML http post from one of the XML push server lists. The following example shows an XML LED command in an **AastraIPPhoneExecute** script.

```
<AastraIPPhoneExecute>
    <ExecuteItem URI=”Led: topsoftkey20=on”/>
    <ExecuteItem URI=”Led: softkey1=off”/>
    <ExecuteItem URI=”Led: prgkey2=fastflash”/>
    <ExecuteItem URI=”Led: expmod2 key20=slowflash”/>
</AastraIPPhoneExecute>
```

Notes:
1. Using the Aastra Web UI, you must set the XML push server list from where the XML http post is being sent.
2. The LED states specified in the **AastraIPPhoneExecute** script are not saved after a reboot.

</td></tr>
</table>

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<table>
<tr><th>Issue Number</th><th>Description of Feature/Enhancement</th></tr>
<tr><td></td><td>

Multiple Input Support for AastraIPPhoneInputScreen Object

A feature has been added to the IP phones that allows an Administrator to have multiple input fields per **AastraIPPhoneInputScreen** object.

The following specifications apply to this feature:

- Multiple input fields not applicable to the Model 53i IP Phone.
- Each AastraIPPhoneInputScreen object can support up to 6 input fields.
- Each input field supports its own set of custom softkeys (these take precedance over any softkeys configured outside of the <InputField> tags.
- The phone treats softkey information specified outside of the <InputField> tags as a default value.
- Each AastraIPPhoneInputScreen object supports only 1 URL.

The following new tags have been implemented to support this feature:

<table>
<tr><th colspan="2">New AastraIPPhoneInputScreen Tags</th></tr>
<tr><td><InputField>.....</InputField>

Note: This tag supports the type, password, and editable attributes. If specified, they override the default values provided in the root tag.</td><td>New tags within the <InputField> tags:
<Prompt>
<Parameter>
<Default>
<Softkey>

Note: These tags override the values specified outside of the <InputField> tags.</td></tr>
<tr><td><Selection>.....</Selection></td><td>Any data specified between the <Selection> tags is appended to the URI in the form Selection = <DATA>.</td></tr>
</table>

</td></tr>
</table>

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<table>
<tr><th>Issue Number</th><th>Description of Feature/Enhancement</th></tr>
<tr><td>Cont'd</td><td>
Multiple Input Support for AastraIPPhoneInputScreen Object (continued)

The following new attributes have been implemented to support this feature:

<table>
<tr><th colspan="2">New AastraIPPhoneInputScreen Attributes</th></tr>
<tr><td>defaultIndex</td><td>Allows you to set an integer value from 1 - 6 that specifies which input field the edit cursor starts in. Default is 1.</td></tr>
<tr><td>displayMode</td><td>Allows you to set a specific display mode for the screen: “normal” or “condensed”.
Default is “normal” mode.

Normal Mode - Prompts and inputs each appear on separate lines on the display. The user can scroll through the lines.

Notes:
1. An <InputField> tag with a type set to “empty” creates two blank lines in “normal” mode.
2. All inputs fields are left justfied in “normal” mode.

Condensed Mode - Prompts and inputs appear on the same line (up to 5 inputs on a single screen).

Notes:
1. Title tag wrapping limits the number of fields per screen to 1 or 3 in condensed mode.
2. An <InputField> tag with a type set to “empty” creates a blank line in “condensed” mode.</td></tr>
</table>
</td></tr>
</table>

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Issue Number	Description of Feature/Enhancement

Cont'd	**Multiple Input Support for AastraIPPhoneInputScreen Object (continued)**
	
	The following is an example AastraIPPhoneInputScreen script using the new multiple input feature:
	
	`<AastraIPPhoneInputScreen type="string">`
	`  <Title>Test</Title>`
	`  <URL>http://10.50.10.117/test.pl</URL>`
	`  <Default/>`
	`  <InputField>`
	`  <Prompt>Name:</Prompt>`
	`  <Parameter>name</Paramter>`
	`  <Default>Robert</Default>`
	`  <SoftKey index="3">`
	`  <Label>NameDone</Label>`
	`  <URI>Softkey:Submit</URI>`
	`  </SoftKey>`
	`  </InputField>`
	`  <InputField type="timeUS">`
	`  <Prompt>Time:</Prompt>`
	`  <Parameter>time</Paramter>`
	`  <Default>10:50:24AM</Default>`
	`  </InputField>`
	`  <InputField type="dateUS>`
	`  <Prompt>Date:</Prompt>`
	`  <Parameter>date</Paramter>`
	`  <Default>01/24/07</Default>`
	`  <SoftKey index="5">`
	`  <Label>DateDone</Label>`
	`  <URI>Softkey:Submit</URI>`
	`  </SoftKey>`
	`  </InputField>`
	`</AastraIPPhoneInputScreen>`

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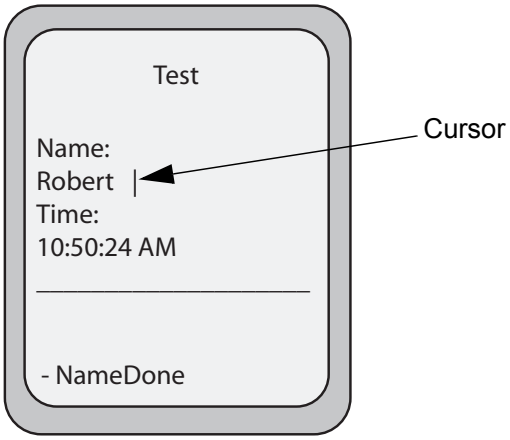
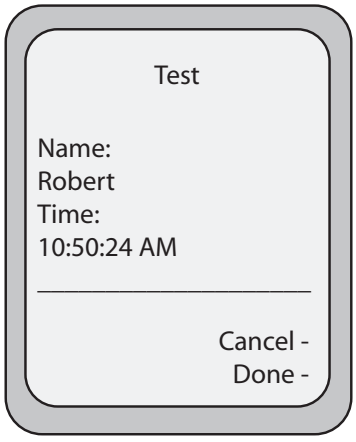
Issue Number	Description of Feature/Enhancement
Cont'd	**Multiple Input Support for AastraIPPhoneInputScreen Object (continued)** Posting the above AastraIPPhoneInputScreen XML script displays the following screens: **Screen 1**  **Screen 1 Note:** Notice that the cursor is active within the first element field and that the phone is displaying the InputField #1 softkey. Scolling down changes to the next input field. **Screen 2**  **Screen 2 Note**: Notice that the softkeys change to reflect the new input type, timeUS. Scrolling down again goes to the next page of inputs.

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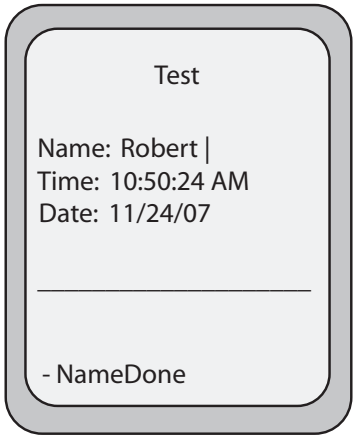
Issue Number	Description of Feature/Enhancement
Cont'd	**Multiple Input Support for AastraIPPhoneInputScreen Object (continued)** **Screen 3** **Screen3 Note:** Notice that the softkeys change again to reflect the current input item on the screen (Date). **Condensed Mode Screen** If you use the attribute "**displayMode = "condensed**" in the root tag (**Screen 4**), the display changes to have prompt and inputs on the same line. The behavior of the screens using "condensed" mode is the same as Screens 1 through 3 but without the scrolling. **Screen 4** 

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New Parameters Added in 2.0.2

These parameters were described in the previous section ("Enhancements/ Changes in 2.0.2, Build 1040") and are repeated here for your convenience. These parameters have been incorporated into the Release 2.0.2 Administrator's Guide.

Incoming Call Interrupts Dialing

Parameter – *incoming call interrupts dialing* *Incoming Call Interrupts Dialing* (in Web UI)	**Aastra Web UI:** **Configuration Files**	Basic Settings->Preferences->General aastra.cfg, <mac>.cfg
Description	Enable or disables how the phone handles incoming calls while the phone is dialing out. When you enable this parameter (1 = true), an incoming call interrupts the outgoing call during dialing and allows the phone to ring for the user to answer the incoming call. When you disable this parameter (0 = fales), which is the default, the phone does not interrupt the outgoing call during dialing and instead rings the incoming call on another free line (or sends busy signal if all remaining lines are busy). You have a choice to ignore the incoming call, or answer the incoming call on another line. If you choose to answer the incoming call, you can answer the call, finish the call, and then hang up. You can still go back to the original outgoing call and finish dialing out. **On the 5i Series Phones**: If you disable this parameter (0=false), and the phone receives an incoming call while you are dialing an outgoing call, you can pick up the call and perform transfer or conference as required. **Note:** After enabling or disabling this feature, it takes affect on the phone immediately.	
Format	Boolean	
Default Value	0 (false)	
Range	0 (false) 1 (true)	
Example	incoming call interrupts dialing: 1	

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Sip Intercom Allow Barge In

Parameter – *sip intercom allow barge in* *Allow Barge In* (in Web UI)	**Aastra Web UI:** **Configuration Files**	Basic Settings->Preferences-> Incoming Intercom Settings aastra.cfg, <mac>.cfg
Description	Enable or disables how the phone handles incoming intercom calls while the phone is on an active call. When you enable this parameter (1 = enable), which is the default value, an incoming intercom call takes precedence over any active call, by placing the active call on hold and automatically answering the intercom call. When you disable this parameter (0 = disable), and there is an active call, the phone treats an incoming intercom call like a normal call and plays the call warning tone. **Note:** After enabling or disabling this feature, it takes affect on the phone immediately.	
Format	Boolean	
Default Value	1 (true)	
Range	0 (false) 1 (true)	
Example	sip intercom allow barge in: 0	

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Goodbye Cancels Incoming Call

Parameter – *goodbye cancels incoming call* *Goodbye Key Cancels Incoming Call* (in Web UI)	**Aastra Web UI:** Basic Settings->Preferences->General **Configuration Files** aastra.cfg, <mac>.cfg
Description	Enable or disables the behavior of the Goodbye Key on the IP phone. When you enable this parameter (1 = enable), the Goodbye key rejects the incoming call. When you disable this parameter (0 = disable), the Goodbye key hangs up the active call. **For the 55i, 57i, and 57i CT:** If you disable this parameter, and the phone receives another call when an active call is already present, the phone displays softkey 1 as "**answer**" and softkey 2 as "**ignore**". You can press the required softkey as applicable. **For the 53i:** If you disable this parameter, and the phone receives another call when an active call is already present, the "**ignore**" option *only* displays in the LCD window. If you press the DOWN arrow key, the phone ignores the incoming call. **Note:** After enabling or disabling this feature, it takes affect on the phone immediately.
Format	Boolean
Default Value	1 (true)
Range	0 (false) 1 (true)
Example	goodbye cancels incoming call: 0

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Options Simple Menu

<table>
<tr><td>Parameter –
options simple menu</td><td>Configuration Files aastra.cfg, <mac>.cfg</td></tr>
<tr><td>Description</td><td>Enable or disables the use of a simple options menu on the IP Phone UI.

Note: When setting the “options simple menu” parameter, the menu changes in the Phone UI only. The Aastra Web UI is not affected.

The following table identifies the differences between the Full Options Menu and the Simplified Options Menu.

<table>
<tr><th>Full Options Menu</th><th>Simplified Options Menu</th></tr>
<tr><td>Language</td><td>Removed</td></tr>
<tr><td>Tones</td><td>Tones</td></tr>
<tr><td>Clear Message Waiting</td><td>Removed</td></tr>
<tr><td>Display</td><td>Display</td></tr>
<tr><td>Live Dialpad</td><td>Removed</td></tr>
<tr><td>Set Audio</td><td>Audio-Mode</td></tr>
<tr><td>Call Forward</td><td>Removed (but can use the “call forward” configuration parameter to control)</td></tr>
<tr><td>Network</td><td>Removed</td></tr>
<tr><td>SIP Settings</td><td>Removed</td></tr>
<tr><td>Phone Status</td><td>Phone Status</td></tr>
<tr><td>User Password</td><td>Removed</td></tr>
<tr><td>Phone Lock</td><td>Phone Lock</td></tr>
<tr><td>Handset Pairing
(CT models only)</td><td>Handset Pairing
(CT models only)</td></tr>
</table>
</td></tr>
<tr><td>Format</td><td>Boolean</td></tr>
<tr><td>Default Value</td><td>0 (false)</td></tr>
<tr><td>Range</td><td>0 (false)
1 (true)</td></tr>
<tr><td>Example</td><td>options simple menu: 1</td></tr>
</table>

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Sip Screen Name 2 (global parameter)

Parameter – *sip screen name 2* *Screen Name 2* (in Web UI)	**Aastra Web UI** Advanced Settings->Global SIP-> Basic SIP Settings **Configuration Files** aastra.cfg, <mac>.cfg
Description	Used to display text on a second line on the screen of the phone. **Notes**: **1.** If other status messages display on the phone, such as “Network Disconnected”, the Screen Name 2 value does not display. **2.** Symbol characters are allowed (such as “#”). **3.** If the text is longer than the display width, than the display truncates the text to fit the display.
Format	Alphanumeric characters.
Default Value	Not Applicable
Range	Up to 20 alphanumeric characters.
Example	sip screen name 2: Lab Phone

Sip Screen Name 2 (per-line parameter)

Parameter – *sip lineN screen name 2* *Screen Name 2* (in Web UI)	**Aastra Web UI** Advanced Settings->Line 1 thru 9 **Configuration Files** aastra.cfg, <mac>.cfg
Description	Used to display text on a second line on the screen of the phone. **Notes**: **1.** If other status messages display on the phone, such as “Network Disconnected”, the Screen Name 2 value does not display. **2.** Characters are allowed (such as “#”). **3.** If the text is longer than the display width, than the display truncates the text to fit the display.
Format	Alphanumeric characters
Default Value	Not Applicable
Range	Up to 20 alphanumeric characters
Example	sip line1 screen name 2: Lab Phone

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Directed Call Pickup Prefix

Parameter – *directed call pickup prefix* *Directed Call Pickup by Prefix* (in Web UI)	**Aastra Web UI** **Configuration Files**	Basic Settings->Preferences-> Directed Call Pickup Settings aastra.cfg, <mac>.cfg
Description	Allows you to enter a specific prefix string (depending on what is available on your server), that the phone automatically dials when dialing the Directed Call Pickup number. For example, for Broadsoft servers, you can enter a value of ***98** for the "**directed call pickup prefix**". When the phone performs the Directed Call Pickup after pressing a BLF or BLF/List softkey, the phone pre-pends the *98 value to the designated extension of the BLF or BLF/List softkey when dialing out. **Notes:** **1.** The default method for the phone to use is Directed Call Pickup over BLF if the server provides applicable information. If the Directed Call Pickup over BLF information is missing in the messages to the server, the Directed Call Pickup by Prefix method is used if a value for the prefix code exists in the configuration. **2.** You can define only one prefix at a time for the entire BLF/List. **3.** The phone that picks up displays the prefix code + the extension number (for example, *981234 where prefix key = *98, extension = 1234). **4.** Symbol characters are allowed (for example "*").	
Format	Integer	
Default Value	Not Applicable	
Range	Not Applicable	
Example	directed call pickup prefix: *98	

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XML Get Timeout

Parameter – *xml get timeout*	**Configuration Files** aastra.cfg, <mac>.cfg
Description	Allows you to specify a timeout value, in seconds, that the phone waits for the far side to return a response after accepting the HTTP GET connection. If the far side accepts the GET connection but never returns a response, it blocks the phone until it is rebooted. If you enter a value greater than 0 for this parameter, the phone times out and will not be blocked.
Format	Boolean
Default Value	0 (never timeout)
Range	0 to 214748364 seconds
Example	xml get timeout: 20

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Issues Resolved in Release 2.0.2

This section describes the issues resolved in release 2.0.2. The following table provides the issue number and a brief description of each fix.

Note: Unless specifically indicated, these resolved issues apply to all phone models.

Issue Number	Description of Fix
CLN04782	XML: "alert" status message type now displays for the correct amount of time.
CLN04786	After failover to backup/primary proxy, the subscription no longer terminates after 3 minutes.
CLN04787	When failing over to the backup proxy, the NTFY from the server now changes the line state.
CLN04793	57i CT: Answer softkey now displays when an XML screen is interrupted by an incoming Intercom call from the handset.
CLN05043	Turned off caching of WebUI page due to problems with pages not displaying correctly all of the time.
DEF05019	XML: “Cancel” and “Done” softkeys now show up in correct places in the AastraIPPhoneInputScreen object.
CLN05072	53i: Fixed possible crash when unconfigured programmable keys are pressed.
CLN05079	XML: Loading an XML page now cancels volume change ringer.
CLN05189	57i CT: Fixed possible crash when first call to base after a reset was an intercom call from the handset.
CLN05223	XML: Fixed intermittent crash when parsing AastraIPPhoneDirectory objects.
CLN05229	Broadsoft SCA: Incoming calls are now presented on the correct SCA appearance.
CLN05287	Sylantro BLA: Fixed rare crash caused by a race condition when seizing a line.
CLN05325	Sidetone no longer disabled after returning from Call Hold.
CLN06230	Fixed intermittent crash when rebooting the phone via XML or via the autosync feature.
DEF02980	Asterisk: Fixed crash when an INVITE message is received after the SIP dialog has been closed.
DEF03715	Incoming Intercom calls no longer force existing calls on hold.

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Issue Number	Description of Fix
DEF03717	Incoming Intercom calls no longer go to headset when an existing speakerphone call is on hold.
DEF04717	53i: The Message Waiting Indicator (MWI) light now continues to flash after receiving a call.
DEF05047	Fixed crash if user incorrectly pressed park key when the phone is idle.
DEF05056	53i: Phone with a call on Hold no longer receives Intercom call with the speaker turned off.
DEF05145	Line softkeys now initiate dialing of typed number when pressed.
DEF05182	XML: destroyOnExit=yes now works with the Refresh header.
DEF05269	57i CT: When a user is on the Base phone and another user is on it's cordless handset, and two calls come into the phone, putting one call on hold no longers causes one-way audio on the other line.
DEF05293	It is no longer possible to corrupt the time server information from the Options menu, which caused the phone to lockup during the next boot cycle.
DEF05472	Fixed a crash when processing a NOTIFY message which terminated the subscription but did not have the option reason field.
DEF05873	ININ BLA: There is no longer a 2 second delay when picking up a held call.
DEF05890	53i: The programmable key LED is now turned off if DND is disabled during an active call.
DEF06101	Fixed registration problems when phone is configured to use both UDP and TCP. The phone now sends a single Contact in the REGISTER message, but without a transport parameter.
DEF06118	Call-Info answer-after parameter and picking up the handset no longer opens up a new line.
DEF06127	Fixed a crash on startup caused by long dial plans with prepend rules.
DEF06411	Phones no longer lose BLF subscriptions when Asterisk sends an unrecognized NOTIFY message.

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Issue Number	Description of Fix
DEF06417	The “**sip update callerid**” parameter in the configuration files now works correctly on all phone models.
DOC06909	In Appendix A of the Administrator Guide Release 2.0, Revision 02, the following errors were found and have been fixed in the Administrator Guide Release 2.0, Revision 03: **Configuration Parameter** → **Correction** log ip → log server ip log port → log server port call forward disabled → Example read as “callers list disabled”. Now reads “**call forward disabled**”. vlan id → VLAN id vlan id port → VLAN id port

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Contacting Aastra Telecom Support

If you've read this release note, and consulted the Troubleshooting section of your phone model's manual and still have problems, please send inquiries via email to support@aastra.com.

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Generic SIP IP Phone
Models 53i, 55i, 57i, 57i CT

2.0.2 Release Notes

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SIP IP Phones Release 2.0.2
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